

<p style="text-align: center;">DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION</p>
---

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PURIFIED MAMMALIAN CTLA-8 ANTIGENS AND RELATED REAGENTS.

the specification of which:

(check one) \_\_\_\_\_ is attached hereto.

X \_\_\_\_\_ was filed on May 2, 1995, as U.S.  
Application Serial No. 08/432,994.

I hereby authorize and approve the subsequent insertion in this instrument, when known, of the application serial number and filing date.

I hereby state and I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>08/077,203</u>	<u>June 14, 1993</u>	<u>abandoned</u>
(Application Serial No.)	(Filing Date)	Status
<u>08/177,747</u>	<u>January 5, 1994</u>	<u>abandoned</u>
(Application Serial No.)	(Filing Date)	Status
<u>08/250,846</u>	<u>May 27, 1994</u>	<u>pending</u>
(Application Serial No.)	(Filing Date)	Status
<u>PCT/US95/00001</u>	<u>January 3, 1995</u>	<u>pending</u>
(Application Serial No.)	(Filing Date)	Status

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

John H.C. Blasdale	Reg. No. 31895	Henry C. Jeanette	Reg. No. 30856
Matthew Boxer	Reg. No. 28495	Warrick E. Lee, Jr.	Reg. No. 28030
Edwin P. Ching	Reg. No. 34090	Paul G. Lunn	Reg. No. 32743
Eric S. Dicker	Reg. No. 31699	Anita W. Magatti	Reg. No. 29825
Norman C. Dulak	Reg. No. 31608	John J. Maitner	Reg. No. 25636
Robert A. Franks	Reg. No. 28605	Joseph T. Majka	Reg. No. 30570
James M. Gould	Reg. No. 33702	Edward H. Mazer	Reg. No. 27573
Richard J. Grochala	Reg. No. 31518	James R. Nelson	Reg. No. 27929
Thomas D. Hoffman	Reg. No. 28221	Paul A. Thompson	Reg. No. 35385

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:  
(name and telephone no.)

Edwin P. Ching  
DNAX RESEARCH INSTITUTE  
901 California Avenue  
Palo Alto, California 94304-1104

Edwin P. Ching  
Telephone No. 415-852-9196  
Facsimile No. 415-496-1200

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of first inventor, Pierre Golstein

Inventor's signature [Signature]

Date June 29, 1995

Residence: Marseille, France

Citizenship: France

Post Office Address: Villa 41; 34 chemin Joseph Aiquier; 13009 Marseille, FRANCE

Name of second inventor, Eric Rouvier

Inventor's signature [Signature]

Date June 29, 1995

Residence: Marseille, France

Citizenship: France

Post Office Address: Valmante Michelet B4; 109 traverse de la Gouffonne; 13009 Marseille; FRANCE

---

---

Name of third inventor, François Fossiez

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_, 1995

Residence: Craponne, France Citizenship: France

Post Office Address: 51 residence de la voie Romaine; 69290 Craponne;  
FRANCE

---

---

Name of fourth inventor, Serge J.E. Lebecque

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_, 1995

Residence: Chazay d' Azerques, France Citizenship: Belgium

Post Office Address: 11 rue Maurice Ravel; 69380 Chazay d' Azerques; FRANCE

---

---

Name of fourth inventor, Odile Djossou

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_, 1995

Residence: Francheville, France Citizenship: France

Post Office Address: chemin du Gareigin, 69340 Francheville; FRANCE

---

---

Name of fourth inventor, Jacques Banchereau

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_, 1995

Residence: Ecully, France Citizenship: France

Post Office Address: 25 Avenue Paul Santy, 69130 Ecully; FRANCE

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PURIFIED MAMMALIAN CTLA-8 ANTIGENS AND RELATED REAGENTS,

the specification of which:

(check one) \_\_\_\_\_ is attached hereto.

X \_\_\_\_\_ was filed on May 2, 1995, as U.S.  
Application Serial No. 08/432,994.

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Norman C. Dulak	Reg. No. 31608	John J. Maitner	Reg. No. 25636
Robert A. Franks	Reg. No. 28605	Joseph T. Majka	Reg. No. 30570
James M. Gould	Reg. No. 33702	Edward H. Mazer	Reg. No. 27573
Richard J. Grochala	Reg. No. 31518	James R. Nelson	Reg. No. 27929
Thomas D. Hoffman	Reg. No. 28221	Paul A. Thompson	Reg. No. 35385

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:  
(name and telephone no.)

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DNAX RESEARCH INSTITUTE  
901 California Avenue  
Palo Alto, California 94304-1104

Edwin P. Ching  
Telephone No. 415-852-9196  
Facsimile No. 415-496-1200

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Name of first inventor, Pierre Golstein

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_, 1995

Residence: Marseille, France

Citizenship: France

Post Office Address: Villa 41; 34 chemin Joseph Aiquier; 13009 Marseille.  
FRANCE

Name of second inventor, Eric Rouvier

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_, 1995

Residence: Marseille, France

Citizenship: France

Post Office Address: Valmante Michelet B4; 109 traverse de la Gouffonne;  
13009 Marseille; FRANCE

Golstein, et al.  
USSN 08/432,994

Name of third inventor, François Fossiez

Inventor's signature François Fossiez Date May 9<sup>th</sup>, 1995

Residence: Craponne, France

Citizenship: France

Post Office Address: 51 residence de la voie Romaine; 69290 Craponne; FRANCE

Name of fourth inventor, Serge J.E. Lebecque

Inventor's signature Serge J.E. Lebecque Date May 9<sup>th</sup>, 1995

Residence: Chazay d' Azergues, France

Citizenship: Belgium

Post Office Address: 11 rue Maurice Ravel; 69380 Chazay d' Azergues; FRANCE

Name of fourth inventor, Odile Djossou

Inventor's signature Odile Djossou Date May 9<sup>th</sup>, 1995

Residence: Francheville, France

Citizenship: France

Post Office Address: chemin du Gareigin, 69340 Francheville; FRANCE

Name of fourth inventor, Jacques Banchereau

Inventor's signature Jacques Banchereau Date May 9<sup>th</sup>, 1995

Residence: Ecully, France

Citizenship: France

Post Office Address: 25 Avenue Paul Santy, 69130 Ecully; FRANCE

## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we,

- 1) François Fossiez, a citizen of France, living in Craponne, France;
- 2) Serge J.E. Lebecque, a citizen of Belgium, living in Chazay d' Azergues, France;
- 3) Odile Djossou, a citizen of France, living in Francheville, France; and
- 4) Jacques Banchereau, a citizen of France, living in Ecully, France:

hereby sell, assign and transfer to Schering Corporation, a New Jersey corporation, having a place of business at: 2000 Galloping Hill Road, Kenilworth, New Jersey, 07033 its successors and assigns, the entire right, title and interest throughout the world in our invention in:

### PURIFIED MAMMALIAN CTLA-8 ANTIGENS AND RELATED REAGENTS

for which we filed a United States Patent Application on May 2, 1995 and now has Serial No. 08/432,994 (Attorney Docket Number DX0388K3) and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 16 day of May 1995

[Signature]  
François Fossiez

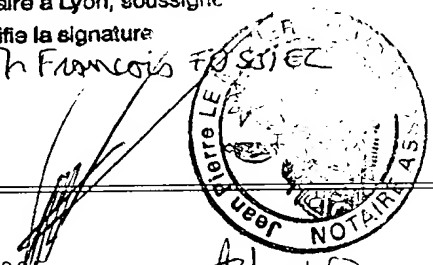
On May 16 1995 before me, Maître LE MAZIER  
Name, Notary Public

personally appeared, François Fossiez, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Me LE MAZIER  
Notaire à Lyon, soussigné  
certifie la signature  
de M. François FOSSIEZ

\_\_\_\_\_  
(SEAL) NOTARY PUBLIC SIGNATURE



Executed this 16 day of May 1995

[Signature]  
Serge J.E. Lebecque

On May 16 1995 before me, Maître LE MAZIER  
Name, Notary Public

personally appeared, Serge J.E. Lebecque, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Me LE MAZIER  
Notaire à Lyon, soussigné  
certifie la signature  
de M. Serge J.E. LEBECQUE

\_\_\_\_\_  
(SEAL) NOTARY PUBLIC SIGNATURE





Executed this 16 day of May 1995

Odile Djossou  
Odile Djossou

On May 16 1995 before me, Maitre LE MAZIER  
Name, Notary Public

personally appeared, Odile Djossou, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC SIGNATURE

(SEAL)

Me LE MAZIER  
Notaire à Lyon, soussigné  
certifie la signature  
de Mme Odile DJOSSOU



Executed this 16 day of May 1995

Jacques Banchereau  
Jacques Banchereau

On May 16 1995 before me, Maitre LE MAZIER  
Name, Notary Public

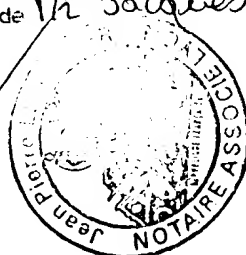
personally appeared, Jacques Banchereau, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC SIGNATURE

(SEAL)

Me LE MAZIER  
Notaire à Lyon, soussigné  
certifie la signature  
de M. Jacques BANCHEREAU



Republic of France  
Department of the  
Bouches-du-Rhône  
City of Marseille  
Consulate General of the  
United States of America

Atty. Docket No. DX0388K3  
JOINT Assignment

### ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we,

- 1) Pierre Golstein, a citizen of France, living in Marseille, France; and
- 2) Eric Rouvier, a citizen of France, living in Marseille, France;

hereby sell, assign and transfer to INSERM, a French corporation, having a place of business at: 101 rue de Tolbiac; 75654 Paris Cedex 13; France, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

#### PURIFIED MAMMALIAN CTLA-8 ANTIGENS AND RELATED REAGENTS

for which we filed a United States Patent Application on May 2, 1995 and now has Serial No. 08/432,994 and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 29th day of June 1995


  
Pierre Golstein

On June 29 1995 before me,

Cynthia KIERSCHT  
Name, Notary Public

personally appeared, Pierre Golstein, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

  
NOTARY PUBLIC SIGNATURE

(SEAL)

**Cynthia KIERSCHT**  
Vice Consul of the  
United States of  
America

Republic of France  
Department of the  
Bouches-du-Rhône  
City of Marseille  
Consulate General of the  
United States of America

Executed this 29th day of June 1995

X

Eric Rouvier

On June 29 1995 before me,

**Cynthia KIERSCHT**

Name, Notary Public

personally appeared, Eric Rouvier, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



(SEAL)

NOTARY PUBLIC SIGNATURE

**Cynthia KIERSCHT**

Vice Consul of the  
United States of  
America

RECEIVED

DEC 10 1995

Patent Department



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DECEMBER 10, 1995

PTAS

EDWIN P. CHING  
DNAX RESEARCH INSTITUTE  
901 CALIFORNIA AVENUE  
PALO ALTO, CALIFORNIA 94304-1104



\*100047128A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/20/1995

REEL/FRAME: 7568/0185  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GOLSTEIN, PIERRE

DOC DATE: 06/29/1995

ASSIGNOR:

ROUVIER, ERIC

DOC DATE: 06/29/1995

ASSIGNOR:

FOSSIEZ, FRANCOIS

DOC DATE: 05/16/1995

ASSIGNOR:

LEBECQUE, SERGE J.E.

DOC DATE: 05/16/1995

ASSIGNOR:

DJOSSOU, ODILE

DOC DATE: 05/16/1995

ASSIGNOR:

BANCHEREAU, JACQUES

DOC DATE: 05/16/1995

ASSIGNEE:

INSERM

101 RUE DE TOLBIAC

7654 PARIS CEDEX 13, FRANCE

7568/0185 PAGE 2

ASSIGNEE:

SCHERING CORPORATION  
2000 GALLOPING HILL ROAD  
KENILWORTH, NEW JERSEY 07033

SERIAL NUMBER: 08432994

PATENT NUMBER:

FILING DATE: 05/02/1995

ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

08-21-1995

Atty. Docket No. DX0388K3

FORM PTO-100  
1-31-92

RECORD



100047128

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents of copy thereof.

## 1. Name of conveying party(ies):

1. Pierre Golstein
2. Eric Rouvier
3. François Fossiez

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

## 3. Nature of conveyance:

- ☒ Assignments (3 pages; 2 pages) ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Date: See Page Two

## 2. Name and address of receiving party(ies):

Name: SCHERING CORPORATION and INSERM

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

2000 Galloping Hill RoadCity: Kenilworth State: NJ ZIP: 07033Additional names(s) & address(es) attached? ☒ Yes ☐ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

08/432,994

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Edwin P. Ching  
Reg. No. 34,090

Internal Address: \_\_\_\_\_

Street Address: DNAX Research Institute901 California AvenueCity: Palo Alto State: CA ZIP: 94304-11046. Total number of applications and patents involved: (1)7. Total fee (37 CFR 3.41): ..... \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

DNAX Research Institute 04-1239

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

P 30079 08/08/95 08432994

04-1239 030 581

40.00CH

## 9. Statement and signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Edwin P. Ching

Name of Person Signing

Edwin P. Ching

Signature

July 18

. 1995

Date

Total number of pages comprising cover sheet: (7)

FORM PTO-1595  
RECORDATION FORM COVER SHEET  
PATENT FORM COVER SHEET  
PATENTS ONLY

Page 2 of 2

1. Additional name(s) of conveying party(ies):  
(continued from page 1)

- 4. Serge J. E. Lebecque
- 5. Odile Djossou
- 6. Jacques Banchereau

2. Additional names(s) and address(es) of receiving party(ies):  
(continued from page 1)

101 rue de Tolbiac  
7654 Paris Cedex 13  
France

3. Execution Date  
(continued from page 1)

- |                         |               |
|-------------------------|---------------|
| 1. Pierre Golstein      | June 29, 1995 |
| 2. Eric Rouvier         | June 29, 1995 |
| 3. François Fossiez     | May 16, 1995  |
| 4. Serge J. E. Lebecque | May 16, 1995  |
| 5. Odile Djossou        | May 16, 1995  |
| 6. Jacques Banchereau   | May 16, 1995  |

4. Additional application number(s) or registration number(s):  
(continued from page 1)

A. Patent Application No.(s):

None.

B. Patent No.(s):

None.